

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES REPLACING SIGNAL AND PEDESTRIAN HEADS, DETECTION, AND THE SIGNAL CABINET AT THE INTERSECTION OF US 1 (WASHINGTON BLVD) AT MONTGOMERY STREET.

INTERSECTION OPERATION

NO CHANGE TO THE SIGNAL OPERATION. REMAIN IN SYSTEM.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. MAJIB SHAKIB, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 513-7358
MR. RALEIGH MEDLEY, ASSISTANT DISTRICT ENGINEER- MAINTENANCE
PHONE: (410) 513-7304
MR. AUGIE REBISH, ASSISTANT DISTRICT ENGINEER - UTILITY
PHONE: (410) 513-7304
MR. RICHARD L. DAFF, SR, CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

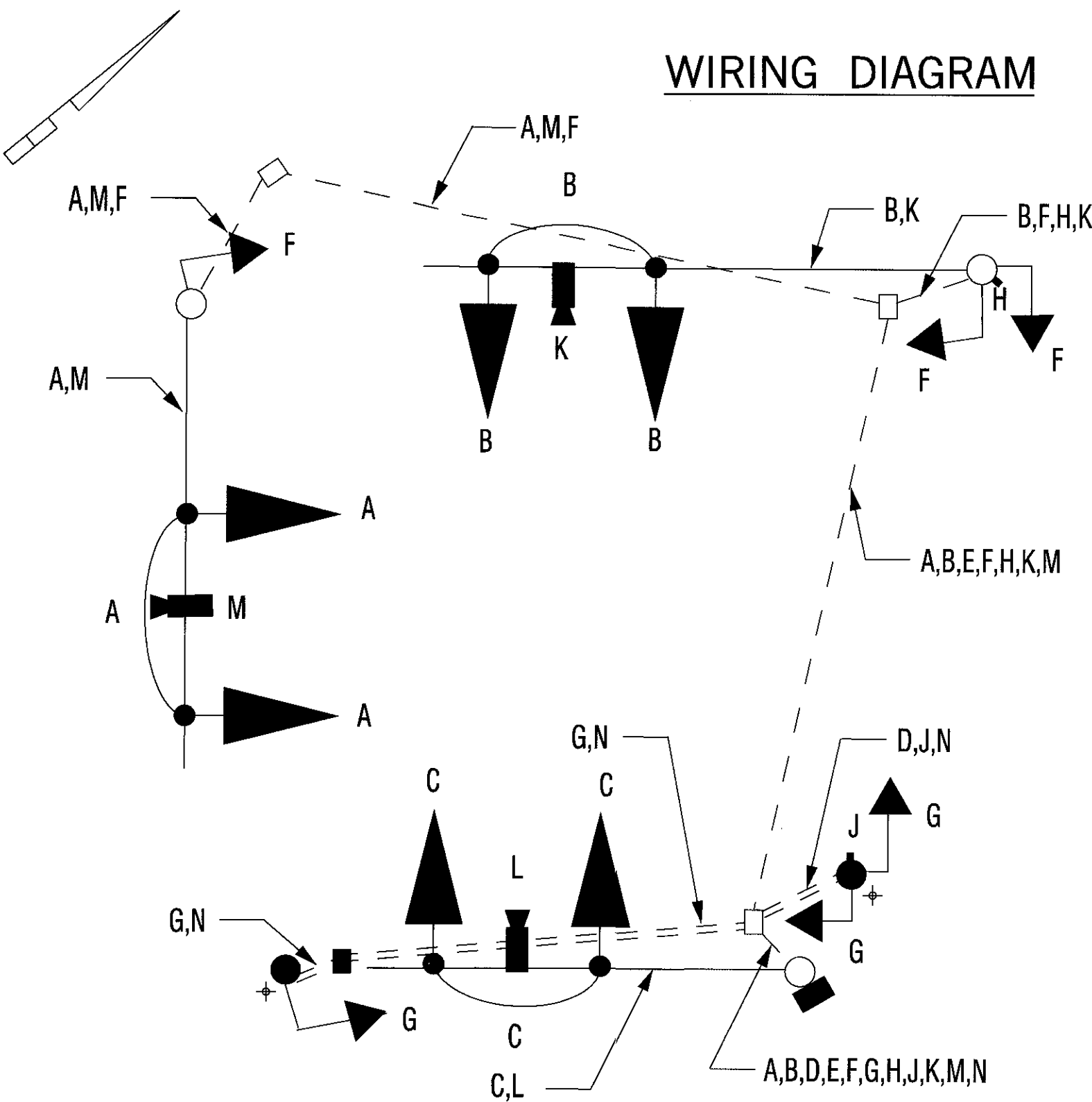
CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
971016	EIGHT PHASE (FULLY ACTUATED CONTROLLER AND CABINET WITH VIDEO INTERFACE EQUIPMENT - POLE MOUNT)	EA	1
973023	SHEET ALUMINUM SIGNS: R3-1 (36" X 36") R3-2 (36" X 36") R3-5(R) (36" X 42")	SF EA EA EA	28.5 1 1 1

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
203030	TEST PIT EXCAVATION	CY	1
800000	REMOVE AND DISPOSE OF EXISTING EQUIPMENT	EA	1
801004	CONCRETE FOR SIGNAL FOUNDATIONS	CY	1.4
805135	3" SCHED. 80 RIGID PVC CONDUIT - TRENCHED	LF	20
805155	4" SCHED. 80 RIGID PVC CONDUIT - SLOTTED	LF	55
811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	1
816001	VIDEO DETECTOR CAMERA	EA	3
816005	CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER	EA	3
818004	10' BREAKAWAY PEDESTAL POLE	EA	2
802501	STRANDED BARE COPPER GROUND WIRE NO. 6 AWG	LF	150
837001	GROUND ROD - 3 /4 INCH DIAMETER X 10 FOOT LENGTH	EA	2
860270	8 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	12
860272	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	6
860278	12" PED. SIGNAL HEAD SECTION POLE MOUNT	EA	2
860282	12" PED. SIGNAL HEAD SECTION PEDESTAL POLE MOUNT	EA	4
861105	ELECTRICAL CABLE - 2-COND., NO. 14	LF	150
861106	ELECTRICAL CABLE - 3-COND., NO. 14	LF	350
861107	ELECTRICAL CABLE - 5-COND., NO. 14	LF	750
865001	PUSHBUTTON AND SIGN	EA	2
871202	INSTALL CONTROLLER AND CABINET - POLE MT.	EA	1
813015	INSTALL OVERHEAD SIGN	SF	28.5

C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET.
THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME PROPERTY OF THE CONTRACTOR.

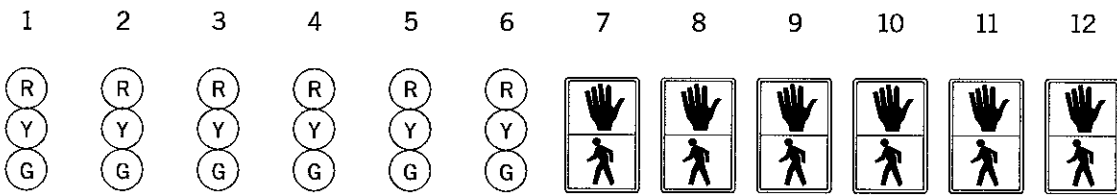
WIRING DIAGRAM



KEY

- A B C D E } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- F G } 3 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- H J } 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- K L M } VIDEO DETECTION CABLE
- N } 1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE
- + } GROUND ROD

PHASE CHART



PHASE 2	G	G	R	R	R	R	WK	WK	WK	WK	DW	DW	
PED CLEARANCE	G	G	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	←
2 CHANGE	Y	Y	R	R	R	R	DW	DW	DW	DW	DW	DW	→
PHASE 4 AND 8	R	R	G	G	G	G	DW	DW	DW	DW	DW	DW	↑
PED CLEARANCE	R	R	G	G	G	G	DW	DW	DW	DW	DW	DW	↑
4 AND 8 CHANGE	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	↑
PHASE 8 ALT	R	R	G	G	R	R	DW	DW	DW	DW	WK	WK	↑
PED CLEARANCE	R	R	G	G	R	R	DW	DW	DW	DW	FL/DW	FL/DW	↑
ALT 8 CHANGE	R	R	Y	Y	R	R	DW	DW	DW	DW	DW	DW	↑
FLASHING OPERATION	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	⚡



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION PLAN

SB US 1 (WASHINGTON BOULEVARD)
AT MONTGOMERY STREET



SABRA, WANG & ASSOCIATES, INC.
1506 JOH AVENUE
SUITE 180
BALTIMORE, MD 21227
WWW.SABRA-WANG.COM

DRAWN BY: TW
CHECKED BY: SR
SCALE: NONE
DATE: SEPTEMBER, 2002

F.A.P. NO. PGH15284
S.H.A. NO. PRINCE GEORGE'S
COUNTY: LOG MILE: 16.000/13.81

TS NO. 2228-C
T.I.M.S. NO. E957

SHEET NO. 59 OF 78